



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



April 8, 2002
Letter of Deficiency
DAM #247.26

Mr. Leon Daniels
33 Mill Road
New Boston, NH 03070

RE: Daniel's Lake Dam, Weare

Dear Mr. Daniels:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on August 17, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

There is no operation and maintenance plan on file with the DES;

Principal Spillway:

2. There is erosion on the downstream face of the spillway near the left side;
3. 14" diameter log immediately upstream of the spillway. May block flow, however, it is used to cross from one bank to the other;
4. There is a crack down the left concrete abutment;
5. Leaks in the right corner of the spillway;
6. Spillway was clear of debris;

The left embankment was very sandy, no vegetative cover;

There are trees on the right and left embankments;

9. The right embankment is not level with the concrete abutment;

Earthen Dam and Emergency Spillway:

10. There is brush and several trees covering the earthen dam, this prevented a thorough inspection of the dam;

There is thick brush and trees covering the emergency spillway, this prevented a thorough inspection; and

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Dikes 1 and 2:

12. There is thick brush and numerous large trees covering both dikes this prevented a thorough inspection;

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

June 1, 2002:

1. Prepare and submit to the DES a written operations and maintenance procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel. Refer to the enclosed guidelines;

Principal Spillway:

2. Remove the 14" diameter log immediately upstream of the spillway. This may collect debris in a large storm and presents a safety hazard by not allowing flow over the spillway as designed. If it is used to cross from one bank to the other you may want to consider installing a small footbridge. If you are concerned about boat traffic, you may consider placing buoys instead;
3. Repair the crack in the concrete located within the left spillway-training wall;
4. Repair the excessive leakage noted around the flashboards, adjacent to the right spillway-training wall;
5. Loam and seed the sandy areas of the left embankment;
6. Cut the flashboard pins level with the flashboards;

November 1, 2002:

Principal Spillway:

7. Remove trees and brush along the crest and from the upstream and downstream embankments of the right and left embankments;
8. Bring the crest elevation of the right embankment level with the concrete abutment;
9. Repair the concrete deterioration along the downstream face of the spillway, adjacent to the left training wall;

Earthen Dam and Emergency Spillway:

10. Remove the trees and brush along the crest and from the upstream and downstream embankments of the earthen dam;

Remove the trees and brush within the emergency spillway, along its entire reach; and

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Dikes 1 and 2:

12. Remove the trees and brush along the crest and from the upstream and downstream embankments of the earthen dikes.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

 **COPY**

Amy C. Clark
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule ✓

Town of Weare

Certified # 7099 3400 0002 9773 9875

ACC/was/h:/safety/wendy/lod/247-26lod.doc